

Datalogger ATV Installation

see diagram on page 2

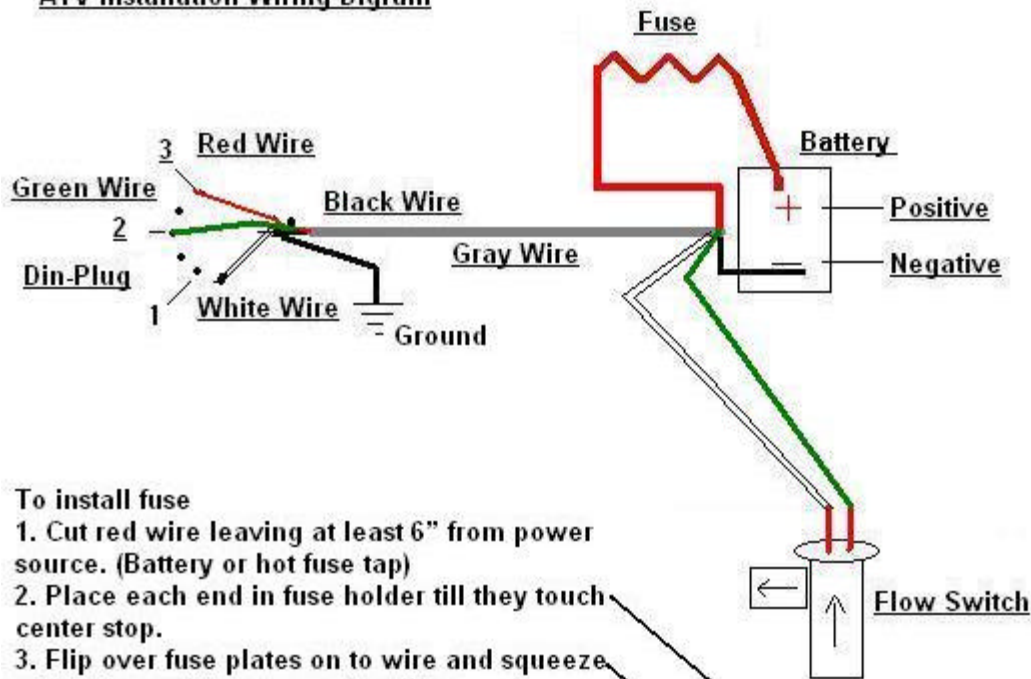
- 1. Install the Gems FS-500 3/4 inch flow switch on the sprayer make sure that only the flow that goes to the spray output nozzles, is flowing through the switch, including the hand gun.**
 - Any flow from agitation or bypass going through the flow switch will cause the Datalogger to take incorrect GPS Points.
- 2. Run the gray-shielded wire to the front of the ATV near where the Datalogger is going to sit.**
 - It is best to position the Datalogger where it can be seen easily, like the rack or handle bars. It must be in the open for GPS signal reception. Some users use the GPS speedometer for sprayer speed and tracking.
- 3. On the flow switch attach either red wire of the switch to the green wire in the gray-shielded wire. Next attach the other red wire of the flow switch to the white wire in the gray-shielded wire.**
 - The red and black wires in the gray-shielded wire are used to power the Datalogger and can be hooked to power at the battery. It is recommended that battery power be used to keep the Datalogger and GPS receiver from turning off during the day.
 - When hooking to power on the ATV, power can be tap from any battery location like the fuse box, or on models with a cigarette lighter tap, by installing a cigarette lighter plug. (Cigarette lighter taps are usually not hot and turn off with the key. For this reason it is not recommended tapping into power at this location.)
- 4. Install the 5-pin din plug is probably the hardest part of the installation.**
 - (YOU MUST LOOK AT THE BACK OF THE DIN PLUG FOR PROPER PIN NUMBER WIRE PLACEMENT! SOLDERING WIRES TO WRONG PIN WILL CAUSE DAMAGE TO EQUIPMENT AND IS NOT COVERED UNDER WARRANTY!!!)**
 - First take the black plug cover and silver plug case and slip over the gray wire. Strip off approximately 1/2 inch of the gray cover from the end of the wire. Clip off the shield wire and the tin foil leaving the red, black, white, and green wire exposed. Next strip the ends of these wires approximately 1/16 of an inch.
 - The din plug is numbered 1,4,2,5,3. The numbers are hard to see but they are there. Be careful not to get the pins to hot when soldering as it can melt the plastic part of the plug. (A spare plug is provided in the kit.) (Also we have found it is not necessary to insert the wires into the holes in the pins but it does make it easier to solder.)
 - Attach the Red wire (positive 12 volt wire) to the #3 pin.
 - The White to the #1 pin
 - Green to # 2 pin (switch wires).
 - The Black (negative or ground wire) will be soldered to the silver cover. It is best to snap the cover in place before soldering the Black wire. Solder the black wire to the shield where the 2 holes are provided at the back of the plug. Let cool, and crimp the tabs around gray cover of the wire. Slide the black rubber cover over the plug and make sure it clips into the small hole provided.
- 5. Plug in to the Datalogger; make sure the power is connected and test.**

For help please e-mail us at info@montanaagplastics.com.

- Please provide a description of the problem, a contact phone number, and return e-mail address and we will respond as soon as we can.

Thank you for using MAP products

ATV Installation Wiring Diagram



To install fuse

1. Cut red wire leaving at least 6" from power source. (Battery or hot fuse tap)
2. Place each end in fuse holder till they touch center stop.
3. Flip over fuse plates on to wire and squeeze with pliers until they snap together.
4. Install 5 or 7.5 Amp fuse in fuse holder slots. (Never use bigger than a 10 amp fuse)

